



# UNITED STATES PATENT AND TRADEMARK OFFICE

51  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,876	02/11/2002	Tae-Hycun Ha	P56531	1401

7590 10/06/2004

Robert E. Bushnell  
Suite 300  
1522 K Street, N.W.  
Washington, DC 20005

EXAMINER

TRAN, TAM D

ART UNIT	PAPER NUMBER
----------	--------------

2676

DATE MAILED: 10/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/068,876

Applicant(s)

HA, TAE-HYEUN

Examiner

Tam D Tran

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 February 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-18 is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Megied et al. (USPN 6556253 B1), hereinafter simply Megied.

2. In regard to claims 1, 8, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, further comprising: a setting part including a portion set part (multimedia system) displaying a set portion at a user chosen arbitrary position of a screen of the display part, and a size adjuster part adjusting the size of the set portion based on movement of a cursor from the arbitrary position within the portion set by the portion set part to another position (the size of each window may be user adjustable on a window-by window basis); see col.1 lines 15-22; and a controller part (digital signal processor 400 including memory for storing luminance signal of different positions on different windows) for storing a position value of the set portion (windows) set by the setting part, generating a setting signal corresponding to the set portion based on the

Art Unit: 2676

position value (generating output luminance signal for different windows which have different positions on the screen), and processing the video signal according to the setting signal (digital signal processor 400 processes values of luminance signals for windows). See Fig. 1A, Fig.2, col.3 lines 26-47

3. In regard to claims 2, 9, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the controller part increases a signal level of the set portion by synthesizing a value of the video signal and a value of the setting signal. See col.6 lines 10-15.

4. In regard to claims 3, 10, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the controller part decreases a signal level of the set portion by offsetting a value of the video signal and a value of the setting signal. See col.5 lines 62-65.

5. In regard to claims 4, 11, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, further comprising a clock generator part generating a clock according to a reference position of the set portion based on the position value of the

Art Unit: 2676

set portion set by the portion set part (multiplexer applies luminance signal correspond to time which read on generating a clock). See col.3 lines 49-57.

6. In regard to claims 5, 12, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the setting signal comprises at least one color signal corresponding to the video signal; and the setting part further comprises at least one signal adjuster part for changing the levels of the respective color signals. See col.3 lines 44-46.

7. In regard to claims 6, 13 Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, further comprising a storage part (memory 116) storing the position value of the set portion set through the setting part; and a scaler (user adjustable window which read on magnifying the signal level) adjusting the width of the setting signal of the set portion set through the size adjuster part. See Fig.2, col.1 lines 19-22.

8. In regard to claims 7, 14, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the controller adjusts the signal level (changing the

Art Unit: 2676

brightness levels which read on magnifying the signal level) of the set portion by composing the video signal with the setting signal. See col.3 lines 44-47.

***Allowable Subject Matter***

9. Claims 15-18 are allowed.

10. The following is a statement of reasons for the indication of allowable subject matter:

The closest prior art shows the multi-window arrangement on the display, windows can be resized by user but does not disclose setting part comprising: a portion set part for displaying a set portion on a screen of the display part, said portion set part including a selection key, a plurality of adjuster keys and a cancellation key, said selection key, when toggled by the user, causing an initial cursor to be displayed on the screen, a position of said initial cursor being arbitrarily adjusted by user manipulation of said adjuster keys, and said set portion being removed from the screen in response to user manipulation of said cancellation key; a size adjuster part for enabling the user to adjust a size of said set portion, said size adjuster part, when toggled by the user, displaying a second cursor on said screen, said size of said set portion being adjusted by moving said second cursor diagonally with respect to said initial cursor by user manipulation of said adjuster keys. Setting part enables user adjusting the characteristics of the image such as size and brightness of the set portion on the screen.

Art Unit: 2676

**Conclusion**

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is

**703-305-4196**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Matthew Bella** can be reached on **703-308-6829**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only)**

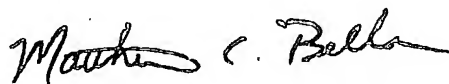
Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Tam Tran

*TT*  
Examiner

Art unit 2676



MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600